

CLAIMS

1. A driving circuit for an image point of an image screen which has an organic light-emitting diode, comprising a capacitor; a feedback coupling; a first thin film transistor as a current-driving transistor for the diode; a second transistor which is connected by a current-conducting electrode with a gate of said first transistor and by a second current-conducting electrode with a data conductor and by its gate electrode with a scanning signal conductor; a third thin film transistor which during driving its gate through a driving conductor taps a diode driving current and an output of said first transistor and supplies a current measuring- and voltage regulating circuit, said current measuring- and voltage regulating circuit providing to the data conductor a voltage signal which is dependent on a current measuring result and a voltage comparison, so that the diode during driving of said gate of said third transistor due to its non-linear switching characteristic acts as a switch for a current deviation in said current measuring- and voltage regulating circuit.

2. A driving circuit as defined in claim 1, wherein said second and said third transistors have gate electrodes which are both connected with said scanning signal conductor.

3. A driving circuit as defined in claim 1, wherein all above mentioned elements of the driving circuit are located at a same side of said light emitting diode, so that no contacts must be guided through a semiconductor material of the diode.

4. A driving circuit as defined in claim 1, wherein said current measuring- and voltage regulating circuit has components which are connected to split conductors and are low ohmic.